

Club Repeaters

VE3TBR
out:146.82 MHz.
in:146.22 MHz.

VE3YQT
out:147.06 MHz.
in:146.46MHz.

**Next Meeting:**

7:30 p.m.
Thursday Nov. 11, 1993.
Room 245, McIntyre Bldg.
Confederation College.

LARC is a member of Radio Amateurs of Canada (RAC).

Pres Sez...

Here it is, almost Christmas, where does the time go? It seems, the older I get the faster time goes by. The Club is in good shape, and we are holding most of the membership. Our current class comprises about 22 students, we should see a influx of new calls about January. I hope that our members and all amateurs will take time to talk to these newly licensed Amateurs and make them feel welcome.

One of the most common complaints I hear from new amateurs is that often they are not made to feel welcome by amateurs with more experience on the air. They have their call and new radio, but when they make their first attempts at using the repeater no one will talk to them. I remember when I first got my call, it was a terrifying experience to get on the air for the first time. Was I going to be able to utter a sound? What if someone came back to me? What should I say then? Please be patient and understanding with a new Amateur. Don't be quick to criticize if he or she make a mistake, its probability better to not to make any observation at all and talk to the person in private later if you feel it's necessary. I think we should all try to listen to the repeaters just a bit more often, and it only takes a moment to say

Hi and offer congratulations to a new amateur. Invite them to the next meeting. I recall trying to talk to someone and getting no response. Yet two minutes later I hear another ham call him and he comes back immediately so you know he had been listening. Let me tell you at that moment you wonder what kind of hobby is this. If this is normal, what am I doing here? In my case I knew some Amateurs, so once I learned a little more about ham radio, things improved quickly.

To the new Amateur, don't give up to quickly, try to remember that at certain times of the day there not always a lot of people listening. Listen for someone to announce they're mobile or listening and call them right away. Remember in town I could be mobile for only 5 minutes and then reach my stop and get out of car. Remember also, that a lot of newer radios can scan, so if you called and their radio has stopped at a different frequency they may not hear you, so call again. Don't always take for granted they won't talk to you. I sometimes announce I'm mobile and forget to turn volume up on the radio and of course I won't hear you.

As club members, let's all try to make a little more effort to encourage the newer members and help them whenever we can. To the newer Amateurs, remember, not all

of us are old goats. According to a recent RAC article, 2 years ago 70% of all amateurs were over 50 and now its only 54% so things are different now and changing for the better. By the way, those old guys try to put on their stern look in public; but, they can be bribed, try buying one a coffee and he's your friend for life. Don't be afraid to ask a question if you're not sure of something, there is always someone willing to help.

May I take this opportunely to wish everyone a Merry Christmas and a Happy New Year. I hope that Santa brings you that new radio.

73 DE TERRY, VE3TKA

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LARC

Founding President:
PJ (Pat) O'Shea VE3FW
1881—1972

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Vice-President:	Steve Robb VE3KRH	345-6992
Secretary:	Norm Bell VE3XRC	577-9316
Treasurer:	Skip Wright VE3BBS	767-2307
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	Lan Catillo VE3ILV	473-9430
	John Watson VE3GTX	683-3199
Past President:	Mark Vukovich VE3VUK	345-5856

CLUB APPOINTMENTS**Emergency Coordinators**

E.C.:	Skip Wright VE3BBS	767-2307
Assistant E.C.:	Norm Bell VE3XRC	577-9316
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Public Relations:	Bob Bishop VE3JAB	767-5689
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Code Instructor:	Norm Bell VE3XRC	577-9316
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Awards Manager:	Norm Bell VE3XRC	577-9316
Technical — Hardware:	Laurie Bridgett VE3BCD	622-1628

	Lindo Scalese VE3NHX	767-4377
	Glen Wallace VE3ICY	623-0135
	Bill Unger VE3EFC	683-3141
Technical — Software:	Lan Catillo VE3ILV	473-9430
	Steve Robb VE3KRH	345-6992
	Terry Stewardson VE3TKA	577-9439
EMC Committee:	Bob Bishop VE3JAB	767-5689
	Mike Nawrocki VE3ZG	767-1714
	Bill Unger VE3EFC	683-3141
	Laurie Bridgett VE3BCD	622-1628
	Lindo Scalese VE3NHX	767-4377

Construction—2M Amplifier

By: Bill Unger, VE3EFC.

As a club project, we are planning to build some 2 Metre amplifiers. This amp will boost your hand-held output to about 10 Watts, depending upon the input power and supply voltage.

The chosen circuit is a tried and true design that should present no problems for a new builder. There will be help available if you run into any problems. We will be building it at the regular club meetings and then we will tune it up. When you take it home you will be able to plug it in, turn it on and go.

The individual cost is \$50.00 and includes all parts, eg. chassis, RF connectors etc. We will determine how many will get involved in the project at the December meeting, then order the parts.

If you have any questions, see me at the December meeting.

RAC Canada Winter Contest

19 December, 1993

*From RAC News Bulletin 05-93
 VE3VCA with Steve, VE3GRS at the
 keyboard*

RAC's annual Canada Winter Contest will be held from 0000z through 2359z on Sunday, 19 December on all bands from 160 through 2 metres.

Any QSO with a station in Canada is worth 10 points. RAC official stations (those who bear the VCA or QST suffix) are worth 20 points. Stations outside Canada are worth 2 points.

Multiply your total QSO points by the total number of provinces and territories worked on each mode on each band. Each station may be worked twice on each band, once on CW and once on phone. Participants are reminded to keep CW out of the phone bands.

Classes of entry:

- (1) single op, all bands;
- (2) single op, single band;
- (3) single op, QRP (<5w out);
- (4) multi-op.

Send your entries to Radio Amateurs of/du Canada, P.O. Box 356, Kingston, Ontario, K7L 4W2. Deadline for entries is 31 January, 1994. See November TCA for complete rules. Write to RAC at the above address now for an entry form.

All local amateurs, in particular those holding the basic qualification, are encouraged to visit Skip, VE3BBS in his shack at Trout Lake during the contest period. Skip has been authorized to operate as VE3VCA during this

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contest. Because stations with the VCA and QST suffix are worth 20 points each, there will likely be many operators trying to log Skip's station on the 19 of December. Skip plans to operate all modes and all bands except for 6 Metres and 160 Metres. Anyone wanting to get on the air in this contest, or if you only want to see how it is done, contact Skip to arrange a time. Ed.

Local laws preempted by FCC

As reported in Nov. 93 Worldradio;

Lou Ann Keogh, KB6HP, Editor.

On 3 September the FCC issued a preemption order (PR Docket No. 91-36). The Commission held that it is against federal interests for states or municipalities to make laws which ban Amateur Radio transceiver that can receive public service frequencies.

In part, the order states "...state or local laws, that preclude the possession in vehicles or elsewhere by amateur radio service transceivers by amateur radio operators merely on the basis that the transceivers are capable of reception of public safety, special emergency, or other radio service frequencies, the reception of which are not prohibited by federal law, are consistent with federal the objectives of facilitating and promoting the amateur radio service frequencies. We therefore hold that such state and local laws are preempted by federal law."

For the past five years the ARRL has worked for just such a ruling. Since most modern transceivers are capable of wide band reception, local laws—called scanner laws by many—subject amateurs to arrest and/or seizure of their equipment. Both New Jersey and Kentucky had laws prohibiting ownership of radios that could receive police frequencies.

Good news for our friends to the south. Now, if we could just convince our new Canadian authorities to take a similar stand regarding their federal jurisdiction on matters such as antennas and supporting structures... Ed.

ARES Ont. SEC Appointment

*From: Larry Thivierge, VE3GT
RAC Section Manager, Ontario.*

This is to announce the the appointment of Pierre Mainville, VE3LPM of Brampton as the Ontario Section's Section Emergency Coordinator (SEC) with an effective date of October 15, 1993. Pierre will be responsible for all Amateur Radio Emergency Service (ARES) activities in Ontario. As you are no doubt aware ARES is one of the Field Organization's activities sponsored and supported by the Radio Amateurs of Canada (RAC). (Continued on Page 4, see **SEC Appointment**.)

LARC/Hi-Q Information

Hi-Q is published ten months of the year by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions/viewpoints expressed or implied in Hi-Q are those of the contributing authors; the LARC, Hi-Q or its' Editors assume no responsibility for the accuracy of information submitted. Material in Hi-Q may be copied for non-profit use by the amateur radio community provided credit is given to the author and source(s).

Contributions related to amateur radio, and in particular articles of interest to Northwestern Ontario amateurs, are encouraged. Contributions in the form of manuscripts with drawings and/or photographs are welcome, however, the preferred method of submission is electronically, either via modem or on a 3.5" disk, the disks will be returned). The preferred format is as a WordPerfect® 5.1 file; the next acceptable is as an IBM-compatible ASCII file.

Mail your articles direct to the Assistant Editor, Bill Boland, VE3BQR, at 431 McKenzie Street, Thunder Bay, ON, P7C 3L1. Files may also be submitted via modem by prearrangement at (807) 622-3686 (2400 N. 8,1) or on PACKET to VE3BQR @ VE3TKA.NON.ONT.CAN.NA.

Dated announcements should be received by the editor(s) no later than ten days prior to the first day of the month in which the notice is to appear.

As a means of reducing production and distribution expenses, Hi-Q will accept advertising at the following per-issue rates: Full page — \$60.00; ½ page — \$40.00; ¼ page — \$20.00; and ⅛ page — \$15.00. Reduced rates, of one third off, are available upon receipt of advance payment for 10 issues (i.e. one full year). Send your "camera ready art work" and cheque (payable to LARC) to the Club address below.

Advertising matter that appears in Hi-Q implies neither endorsement nor recommendation of the product or service by the LARC, Hi-Q or its' Editors.

LARC membership fees, determined annually, are set for 1993/4, as follows: Regular — \$30.00; Associate — \$20.00; Associate (attending Ham classes) — \$80.00; Student (attending school full time) — \$15.00; and Family — \$30.00, plus \$10.00 for each additional member of the family at the same address.

Hi-Q is distributed to all LARC members, except that only one copy is issued to each address.

The club call is VE3FW in honour of our founding president, Pat O'Shea. The LARC owns and operates two VHF repeaters, VE3TBR on 146.82 MHz (minus) located atop St. Joseph's Heritage, and VE3YQT on 147.06 MHz (minus) located on Mount Baldy.

The club mail address is: Lakehead Amateur Radio Club Inc., P.O. Box 2571, Thunder Bay ON P7B 5G1.

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SEC Appointment (Continued from Page 3.)

ECs are requested to submit their monthly reports, commencing with the November report, to Pierre by mail or by packet at VE3INF. Stop by the RAC table at the Newmarket Flea Market on November 13 and Pierre will be available to discuss ARES activities.

The Sweat of your Brow Transistor Checker

By: Bill Unger, VE3EFC

In order to get the transistor checker that I'm going to describe to work, I want you to think hard, real hard. So hard in fact, that you work up a sweat...that's important.

I suppose that by now there is no one who has never used an ohmmeter to check a transistor. You know, first you check the base - emitter junction for a low resistance one way and then reverse the meter leads and it should be a high resistance. Then you make the same measurements on the base - collector junction.

If you have done your homework, you will know which lead of your ohmmeter is positive and then you can determine if the transistor is NPN or PNP. By convention on most ohmmeters the positive voltage from the internal battery goes to the black lead.

Unfortunately, all you can then tell is that you have a NPN or PNP transistor with two working (or not) junctions.

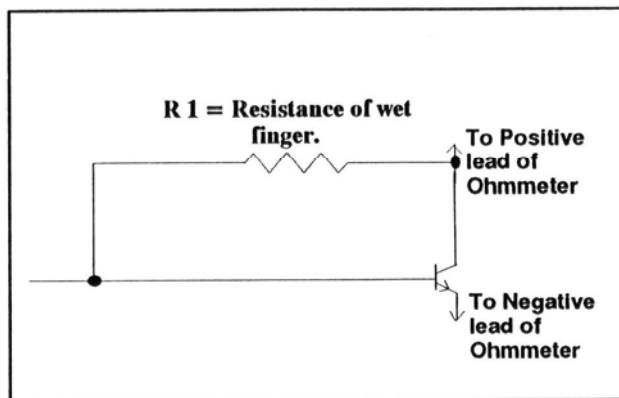
Most times what we want to know is will this transistor amplify. Or stated another way, we want to know the gain of the device. The technical term for this is called Beta. There are several ways to measure Beta, we could buy a transistor curve tracer. I've seen them surplus for several thousand dollars. We also could wire up the transistor and with a bunch of current readings, determine the Beta. Or we could use this method and determine roughly if the transistor has any gain.

Sweating yet? Good.

Lets check an NPN transistor. First put the positive lead from your ohmmeter to the collector. The negative lead should go to the emitter. There should now be a meter reading. Moisten your finger (wipe your sweating brow first) and touch the collector and base leads with your finger. Do not allow the base and collector leads to touch. Your wet finger is the "biasing resistance". Now the ohmmeter reading should change.

If the ohmmeter reading does not change the transistor is not being biased on and at this point start looking for another transistor.

What you have done, in effect, is to bias the transistor on. See the schematic of the circuit you have



made.

In some ohmmeters an appreciable amount of current can be generated when the leads are shorted. Also the open circuit voltage could damage the transistor. In most ohmmeters usually the R X 1K range is safe and all measurements should be done on this range.

You now have a way to check transistors simulating actual circuit operation using only an ohmmeter.

See, what did I tell you—NO SWEAT!

Energy efficient pedal power mobile HF

From RAC News Bulletin 05-93 VE3VCA with Steve, VE3GRS at the keyboard

The Ottawa Valley Mobile Radio Club bulletin carries an item about an unusual mobile rig. Mike Kelly VE3FFK, recently demonstrated an HF mobile 40 metre rig which he had mounted on his bicycle. It is powered by a portable nicad shoulder pack battery. He has mounted a finger activated CW key on the handle bar.

Special Prefixes

From Dave Goodwin VE2ZP.

To mark the creation of the Radio Amateurs of Canada (RAC), Industry and Science Canada (ISC) has authorized all Canadian Amateurs to use special prefixes from 0000z 30 October to 2359z 30 December. The authorized prefixes are:

- VO1s may use VO5
- VO2s may use VO6
- VE1s may use CH1
- VE1s in New Brunswick only may use CH9
- VE2s may use CH2
- VE3s may use CH3
- VE4s may use CH4
- VE5s may use CH5

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VE6s may use CH6
VE7s may use CH7
VE8s may use CH8
VY1s may use VY5 and
VY2s may use VY6.

Dave received confirmation of this decision on 20 October 1993 from the Hull District office, ISC.

This authorization coincides with a number of contests of interest to Canadian Amateurs, including CQ WW DX (both SSB and CW); ARRL Sweepstakes (both SSB and CW); ARRL 10m and 160m contests; and RAC's own Canada Winter Contest, to be held on 19 December, 1993.

RAC Outgoing QSL's

A reminder to RAC members

Please send your outgoing QSL's to Box 66, Islington, ON M9A 4X1. Sending your cards to the RAC office in Kingston results in delayed delivery and RAC incurs additional costs it can ill afford.

RAC Needs your support

Bob Bishop, VE3JAB, RAC Regional Director for Ontario North, addressed LARC members at the November meeting. He encouraged all amateur radio operators to join RAC now, and support Canada's national organization. RAC is the one and only national organization representing Canadian amateur radio operators. RAC is therefore the only voice for Canadian amateur radio operators on governmental issues.

He spoke of only a few of the concerns that RAC is actively pursuing on our behalf in ongoing discussions with government officials. Among the issues affecting Canadian amateurs are legalities surrounding antenna structures, EMC and radio sensitive equipment, and a recently released Industry, Science and Technology draft document, TCR-86, entitled Criteria for Resolution of Immunity Complaints Involving Fundamental Emissions of Radio Communications Transmitters..

These pursuits cost money. Another little advertized expense which RAC must pay, is membership dues to the International Amateur Radio Union (IARU). It costs about \$4,000.00 for the simple privilege of democratically representing Canadian amateurs at the union. RAC must then present IARU agreements to our government. Farrell Hopwood, VE7RD, RAC President, stated in the November 1993 TCA, that he expected RAC's annual budget to be in the range of \$300,000 to \$400,000 per year. When you compare this to the ARRL budget of \$12,000,000 you

can see that RAC operates on a marginal budget.

There are now over 41,000 amateurs in Canada, of which 8,500 are members of RAC. We the amateurs of Canada need to increase RAC's membership numbers. The recent Amateur Service restructuring has greatly increased our numbers at a time when regulation has become more onerous. We need someone between us and our municipal, provincial and federal governments. If RAC is to have any clout with these various government bodies, the membership must increase. Politicians and bureaucrats will listen more intently to the opinions of 40,000 people.

Amateur ranks will continue to grow and problems will become more complex. Do you want to be one of the amateurs, who, under new regulations, is told to shut down your station because of EMI (electromagnetic interference)? This will likely occur, because our Federal Government will not institute standards for electronic equipment coming into Canada. It is easier for them to shut down the amateur radio operator than go after manufacturers and importers. You say this is not going to bother you as you only have a basic licence and don't have EMI problems? Maybe your municipality decides you can't put up that 50 foot tower with the twin yagis so you can work DX on 2 metres or 6 metres. We don't know what the Federal Government plans are for the future, but it is likely a safe bet that more regulations and restrictions are coming. You better have a strong national organization to fight for you. Canada also needs its international voice.

Maybe we are painting the picture a bit dark, but if you are the one having problems, your future in radio will be very bleak.

RAC also produces a monthly magazine with articles of interest to amateurs on a broad spectrum of subjects. To increase the size and scope of The Canadian Amateur magazine a larger membership is needed. An outstanding magazine is now produced with less than 20% of the amateur population subscribing. If RAC can increase this to 70 or 80% of Canadian amateurs, the scope and size of the magazine will grow immensely. Advertisers will increase and it may encourage an increase in amateur radio equipment retailers, which will mean more competition and lower prices for the Canadian amateur. If you are an active DXer, using the outgoing QSL bureau will most likely recover the cost of your membership in the postage saved mailing out QSL cards

Canadian amateurs need a strong, cohesive organization to represent them. We have finally got a national voice; lets make it a strong one. Complete the

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application for membership which is included in this months Hi-Q and send it in along with the appropriate membership fee as applicable.

Amateur radio operators important in emergency planning

From RAC News Bulletin 05-93 VE3VCA with Steve, VE3GRS at the keyboard

Jim Anderson, VE6JWA was one of nine amateur radio operators who attended the Emergency Telecommunications Management course in Arnprior, Ontario in June. The purpose of the one week course was to learn about the setting up and operating of a telecommunications system in the event of a major disaster.

Jim's report appears in the Northern Alberta Radio Club October bulletin. Jim tells how speaker after speaker described how to protect and operate a radio or telephone system in an emergency, which they then predicted would probably fail or be seriously hampered.

The need to integrate Amateur Radio operators into the planning process was repeated so many times

during the course that Jim says the hams were beginning to feel a bit self-conscious. He also reported that a good deal was learned about emergency planning and that municipal planners who were also on the course went home with an appreciation of the value of amateur radio operators in a disaster situation.

NB Hams to get new VE9 prefix

From RAC News Bulletin 05-93 VE3VCA with Steve, VE3GRS at the keyboard

As the result of an indicated interest by the majority of Hams in New Brunswick, Industry and Science Canada has announced that after December 1, 1993, no new VE1 prefixes will be assigned in New Brunswick. Effective on the same date VE9 calls will be assigned.

Licensed Amateurs in the Province can maintain their existing VE1 call signs if they wish or elect to change just the prefix. They can also ask for a completely new call sign or a two letter call, subject to availability. Kevin Ball, Supervisor of Authorization, Industry and Science Canada, can be contacted in Saint John, N.B. at 506 636-4339 for further information.

RADIO AMATEURS OF CANADA INC.

Administrative Office

P.O. Box 356, Kingston, ON K7L 4W2

Membership Application: ☐ New ☐ Renewal

Name: _____

Address: _____

City: _____ Prov: _____ Postal Code: _____

VISA/MASTER CARD No.: _____

Expiry Date: _____

Please make cheques payable to RAC. All payments in Canadian funds. Payment must accompany application form.

Membership Fees

Families may join RAC by paying the basic fee of \$28.00 per year, plus \$15.00 for each additional person who wishes to use the services of the organization. (One copy of the magazine per family membership.) Please include the extra names and callsigns with the application. Prices include GST.

Membership

1 year individual membership @ \$28.00

Each additional family member: _____ @ \$15.00

QST @ \$53.00

QST Seniors @ \$46.00 with proof of age

TOTAL

Note: — Extra copies of this application form will be available at the December 9th meeting for those that do not wish to destroy their copy of Hi-Q.

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**Minutes of a meeting of the Lakehead Amateur Radio Club
held in Room 245 at Confederation College
Thunder Bay, Ontario on November 11, 1993**

The meeting was called to order at 7:30 pm with 38 members and guests in attendance.

The President, Terry Stewardson introduced the new amateurs and guests present.

Minutes of the previous meeting:

The minutes of the previous meeting held October 14, 1993 were published in detail in the November issue of HI-Q and mailed to all members. No questions, additions or deletions were noted.

Motion: moved by VE3RVA, Bob Hansen and seconded by VE3BHN, Bob Gillespie that the minutes be accepted as printed. **Carried.**

Treasurer's Report:

Skip Wright, VE3BBS reported the annual 1993-94 financial statement as of November 1, 1993 which is as follows:

Balance forward from September	\$542.02
Income (see note below)	\$9,179.00
Expenses (see note below)	\$5,453.57
Balance on 01 November 1993	\$4,267.45

Note: The huge income and expenses during the month of October are due to transactions from the estate sale of the equipment from the late VE3BGA, Barry Hunter which was put through the books of the Lakehead Amateur Radio Club and then dispersed to Mrs. Hunter.

Motion: moved by VE3BHN, Bob Gillespie and seconded by VE3PHU, Pat Pugh that the Treasurer's report be accepted.

..... **Carried.**

President's Report (VE3TKA, Terry Stewardson):

January and February Meetings-

Terry asked if there was any interest in the building of 2m amplifiers. This project will take at least two meetings and the cost will be minimal. A show of hands indicated the interest was there. VE3EFC, Bill Unger will be in charge of the project and more information will follow. It was pointed out that the February meeting is a dinner meeting, so the project may be spread out to January and March.

Link to Grand Marais-

Some tests have been done on a new site to give us a good path to Grand Marais. The club is waiting for the paper work to be finalized to use this site. If we get

permission to use this site, we will have a 100% link to Grand Marais. The radios required for this project have been donated. The Lakehead Amateur Radio Club will have to purchase the appropriate crystals and link controller.

Motion: moved by VE3ECV, Vic Bel and seconded by VE3GTX, John Watson that the Lakehead Amateur Radio Club approve the expenditure of up to \$700.00 for linking equipment.

..... **Carried.**

Old Business:

Club Station at VE3SAO, 55+ Centre-

A question arose from the floor as to the status of the Club Station, VE3FW at the 55+ Centre on River Street. VE3JAB, Bob Bishop brought the members up-to-date on what is happening. At present, the door that we would use to gain access to the building and the radio room is connected to the alarm system which would restrict access after the Centre is closed. The Centre has also raised some concerns about the age of participants using the facility. The board will not meet again until January to discuss these issues. No money has been spent by the Lakehead Amateur Radio Club on the proposed club station up to this point.

2m Contest-

Skip Wright, VE3BBS has the log sheets available for the Hunter Memorial 2m Contest to be held during the month of December.

New Business:

Tim Whittaker, VE3WCT is rebroadcasting the Northwestern Ontario ARES net on his 2m repeater (146.94) each night for the benefit of those who do not have HF privileges. He requested permission to add the name and address of the Lakehead Amateur Radio Club to his broadcast preamble for anyone, amateur or short wave listener, to acquire more information.

..... Permission was granted.

Dinner Meeting, February 1994-

Skip Wright, VE3BBS announced that the annual dinner meeting will be held Thursday, February 10, 1994 at the Pagoda on Dawson Road. At this time, it appears the price will be under 25.00 per person.

Radio Amateurs of Canada-

Bob Bishop, VE3JAB reported that as a member of the board of RAC, he has been successful on 2 projects he has been working on. He has 22 people lined up for a forum to look at special needs of amateurs such as

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antenna issues. Bob also has a manual from Region 2 of IARU which covers North and South America. This manual covers such items as frequency allocations. This material will be published in HI-Q. Bob also announced that Pat Doherty, VE3HFS has accepted the position of RAC HF Frequency Coordinator. Pat's job will be to obtain views of Canadian amateurs and establish recommended sub-band allocations for modes of operation in common use within the frequency range of 1.5 to 30 MHz. Pat will also attend Region 2 International Amateur Radio Union meetings where he will sit as Canada's representative on committee "B" which is concerned with HF band planning. His responsibilities will be to present and defend the Canadian position regarding HF sub-band frequency allocations and to publish the internationally agreed HF Band plan in TCA and recommend to Canadian amateurs its application.

Repeater Operation-

Bill Klemacki, VE3AJ brought up the fact that there has been a lot of double signing on the repeater which is not necessary. It is not required that you give your call sign after every transmission.

Norfolk Amateur Radio Club-

Jim O'Brien, VE3UA suggested that the Lakehead Amateur Radio Club twin itself with the Norfolk Amateur Radio Club in England. This is a result of Jim's and Pat's recent trip to Europe at which time they spoke to the club in England. The British club would be willing to help out in the transportation of small items to Russia as some of their members travel to that part of the country.

Motion: moved by Jim O'Brien, VE3UA and seconded by Ed Baumann, VE3SNW that the secretary prepare a formal letter to the Norfolk Amateur Radio Club to join forces by twinning for the purposes of assisting our Russian amateur friends. . . **Carried.**

Grand Marais Amateur Radio Club-

Bob Hansen, VE3RVA gave a brief report on a meeting he attended in Grand Marais on October 27/93. He promoted the Voyageur Award and reported on our efforts toward the Irkutsk project.

December Meeting-

Terry Stewardson, VE3TKA announced that the December meeting would be a fun evening involving such antics as the "quick left foot" CW contest.

Amateur Radio Classes-

Ed Baumann, VE3SNW announced that the classes were going well and he is looking for volunteer instructors. If you can help out, give Ed a call.

Motion: moved by Ed Baumann, VE3SNW and

seconded by Brian Fedoruk, VE3UKE that the meeting be adjourned.

..... **Carried.**
50/50 draw winner—Brian Fedoruk, VE3UKE.

CKPR History

Following a short break, Dave Ross, VE3WRZ gave a brief but informative and entertaining talk of the start of CKPR radio back in 1931-32. The chief engineer for the new station here in the Lakehead was his father, the late Tom Ross.

Spectacular growth in Canada's amateur population

From RAC News Bulletin 05-93 VE3VCA with Steve, VE3GRS at the keyboard

As of 1 October, 1993, three years after introducing the restructured amateur service, the number of licenses in Canada reached 41,014. Since April 1990, 15,787 new licenses have been issued. Nearly 72% of all amateur operators have obtained the highest level of qualification.

In 1987 more than 60% of all Canadian amateur operators were over 50 years of age. That has dropped to 54%. About 10% of Canadian amateurs are now under age 30.

Do you bring your handheld to work?

From RAC News Service Bulletin N° 10-93

On June 21, 1993 when a fire broke out at the Union Hospital in Moose Jaw, VE5ROB Rob, an employee of the hospital, crawled on his stomach to better locate the source of the fire and then using his handheld used the VE5VHF autopatch to call the fire department and report the exact location of the fire and information on which doors the fire department could use for access.

VE5JML Joan, reporting in the Saskatchewan Amateur Radio League bulletin commends Rob, for remaining calm under great pressure and showing presence of mind using amateur radio to alleviate what could have escalated quickly into a major emergency. Rob's prompt action and specific directions eliminated the need of evacuation when the fire was brought under quick control by the fire department.

A possible world record for Calgary hams

From RAC News Service Bulletin N° 10-93

On August 22, 1993 Peter Larsen, Larry Chapple, Scott

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Thompson, Charles Hetherington and Allan Faint, all members of the Calgary Amateur Radio Association from a remote island near the North Pole made radio contact with a French research station near the South Pole in Antarctic. The historic call spanned a distance of about 17,600 kilometres.

Information on weather and signal reports were exchanged. A video of the event has been provided to The Guinness Book of World Records.

The Calgary Amateur Radio Association in their October bulletin carried reprints of articles reporting this event from the Guelph Ontario Mercury and the Cambridge Ontario Reporter

Heart attack victim faintly calls for help on drive net

From RAC News Service Bulletin № 10-93

The breaker on Winnipeg's drive to work net was faint, but he got the message out that he was having a heart attack and needed an ambulance. Allan VE4LOM used the patch on another frequency to call for an ambulance while Larry VE4CPU continued to monitor.

Nobody was sure where the victim was until Judy VE4JBN was able to encourage him to describe his location and turn on his flashers. After a few days in the ICU and a stay in the hospital the patient was improving and his wife credits the prompt action for saving him from a worse fate.

Dick Maguire VE4HK in reporting on the real life emergency in the Winnipeg Amateur Radio Club bulletin says that as soon as the emergency developed, every non-essential person monitoring the frequency kept quiet, which is what enabled Judy to talk with the victim and direct the ambulance to him.

Leading edge interference department...

From RAC News Bulletin 05-93 VE3VCA with Steve, VE3GRS at the keyboard

Cellular telephones have been taking a beating in the British press, being blamed for everything from bad calls to curtain calls.

Tennis officials at Wimbledon shut off the electronic court sensors that normally detect out-of-bounds shots due to RFI.

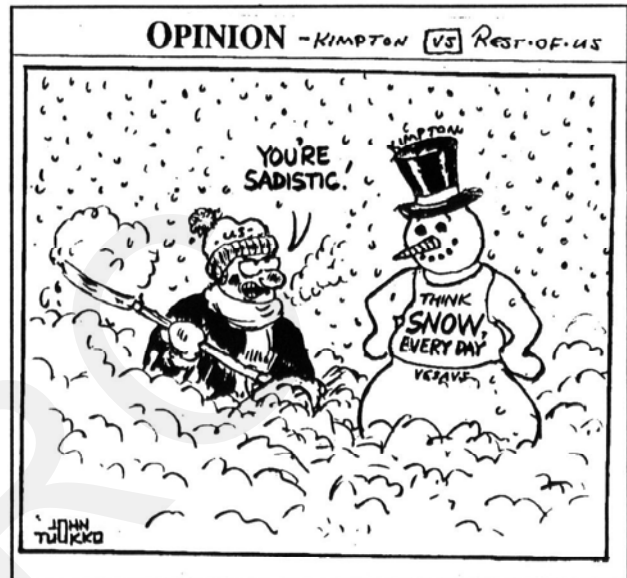
In London, the opening of Andrew Lloyd Webber's new musical, Sunset Boulevard, was delayed for 13 days until technicians could find out why the hydraulic pumps on the scenery were turning on by themselves. The blame was, once again, cellular telephones.

Thanks to the Windsor Border City Radio Club

which credits W5YI Report for this item.

VA prefix for Ont. hams

From the Ear to the Wall Department: Rumour has it they have begun issuing VA prefixes to those Ontario amateurs who have submitted letters requesting two letter calls. Listen for them on the bands early in December 1993.



Pat Doherty, VE3HFS appointed

RAC HF Frequency Coordinator

Bob Bishop VE3JAB informed the members at the LARC Nov. 11 meeting, that George Spencer VE3AGS, RAC Vice President International Affairs, announced Pat Doherty VE3HFS had accepted the job of RAC HF Frequency Coordinator. Pat will be responsible for obtaining the views of Canadian amateurs on HF sub band allocations, distilling those concepts into a single cohesive argument and defending Canada's stand at the International Amateur Radio Union, Region 2 meetings. There, the union will democratically approve a unified proposal for the Region 2 sub band allocations. Pat will then be required to present that proposal to our government officials and ask for their support while voting at International Telecommunications Union meetings when amateur frequencies are discussed.

LARC is honoured to have one of its members sit as the first RAC representative at these negotiations. Congratulations to Pat and good luck in your new responsibilities.

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1993

December

1993

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
* He said (tounge-in-cheek).	Canadians may use the prefix CH until 2359z 30 Dec. 1993 to commemorate the creation of RAC.		1 7:00 p.m. CW Class	2	3 ARRL 160M CW Contest, Ref. Pg 104 Nov.93 CQ	4 ARRL 160M CW Contest
5 ARRL 160M CW Contest	6 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	7 7:00 p.m. Ham Class	8 7:00 p.m. CW Class	9 7:30 p.m. LARC festive Meeting	10	11 ARRL 10M Contest
12 ARRL 10M Contest	13 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	14 7:00 p.m. Ham Class	15 7:00 p.m. CW Class	16	17	18
19 RAC Winter Contest 0000Z - 2359Z	20 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	21 7:00 p.m. Ham Class	22 7:00 p.m. CW Class	23	24	25 <i>Merry Christmas!</i>
26	27 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	28 Study or Quality Family Time, your choice!	29 Happy Holiday! Don't forget to practice.*	30	31 ARRL Straight Key Night	Enjoy a safe and happy holiday!

*To all our readers:
Merry Christmas
and
Happy New Year!*

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